

THAT WHICH IS CLAIMED IS:

1. A method of reducing endothelial injury in a subject caused by administration of a chemotherapeutic agent to the subject, comprising administering an endothelial-protecting amount of erythropoietin in conjunction with the administration of the chemotherapeutic agent.

2. A method according to claim 1 wherein said endothelial-protecting amount of erythropoietin is administered simultaneously with said chemotherapeutic agent.

3. A method according to claim 1 wherein said endothelial-protecting amount of erythropoietin is administered prior to said chemotherapeutic agent.

4. A method according to claim 1 wherein said endothelial-protecting amount of erythropoietin is administered after said chemotherapeutic agent.

5. The method of claim 1 where said chemotherapeutic agent is cisplatin.

6. A method of enhancing endothelial cell inhibition in a subject treated with a chemotherapeutic agent, comprising administering to the subject an endothelial-inhibiting amount of erythropoietin in conjunction with the administration of the chemotherapeutic agent.

7. A method according to claim 6 wherein said endothelial-inhibiting amount of erythropoietin is administered simultaneously with said chemotherapeutic agent.

8. A method according to claim 6 wherein said endothelial-inhibiting amount of erythropoietin is administered prior to said chemotherapeutic agent.

9. A method according to claim 6 wherein said endothelial-inhibiting amount of erythropoietin is administered after said chemotherapeutic agent.

10. A method according to claim 6 wherein said chemotherapeutic agent is cisplatin.

11. A method according to claim 6 wherein said subject has a neoplastic growth selected from the group consisting of cerebellar hemangioblastoma, ductal carcinoma of the breast, and squamous cell cancer of the larynx.

12. A method of treating a solid vascularized tumor in a subject in need of such treatment, comprising administering an antineoplastic chemotherapeutic agent in conjunction with an endothelial-inhibiting amount of erythropoietin.

13. A method according to claim 12, wherein said endothelial-inhibiting amount of erythropoietin is administered simultaneously with said chemotherapeutic agent.

14. A method according to claim 12 wherein said endothelial-inhibiting amount of erythropoietin is administered prior to said chemotherapeutic agent.

15. A method according to claim 12 wherein said endothelial-inhibiting amount of erythropoietin is administered after said chemotherapeutic agent.

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16. A method of treating endothelial injury caused by mechanical damage, exposure to radiation, inflammation, heart disease or cancer, in a subject in need of such treatment, comprising administering an endothelial-protecting amount of erythropoietin to said subject.

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